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SWATH HEIGHT COMPENSATION FOR LOSSLESS COMPRESSION OF PEN DATA

ABSTRACT OF THE DISCLOSURE

A printer includes an Application Specific Integrated Circuit ("ASIC") having an embedded printer controller and an embedded swath buffer for storing complete rows of compressed swath data. The embedded swath buffer may be a fraction of the size of a conventional swath buffer, which is not embedded and which does not store compressed swath data. A printer driver, resident in a host, transmits only complete rows of compressed swath data to the printer.